



**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.

53047/45121

In Re Application Of:

Bae et al.

Serial No.	Filing Date	Examiner	Group Art Unit
10/537,514	June 3, 2005	unknown	unknown

Title:

METHOD AND APPARATUS FOR AUTOMATED DETECTION OF TARGET STRUCTURES FROM MEDICAL IMAGES
USING A 3D MORPHOLOGICAL MATCHING ALGORITHM

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37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

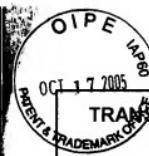
37 CFR 1.97(c)

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the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).



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Serial No. 10/537,514	Filing Date June 3, 2005	Examiner unknown	Group Art Unit unknown

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

1

of

2

Application Number

10/537,514

Filing Date

June 3, 2005

First Named Inventor

Bae et al.

Art Unit

unknown

Examiner Name

unknown

Attorney Docket Number

53047/45121

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/W.T./	AA	US- 4777598		Kellar et al.	
	AB	US- 4907156		Doi et al.	
	AC	US- 5133020		Giger et al.	
	AD	US- 5146923		Dhawan	
	AE	US- 5185809		Kennedy et al.	
	AF	US- 5319549		Katsuragawa et al.	
	AG	US- 5543709		Kajiyama	
	AH	US- 5583902		Bae	
	AI	US- 5687208		Bae et al.	
	AJ	US- 5881124		Giger et al.	
	AK	US- 5987094		Clarke et al.	
	AL	US- 6055985		Bae et al.	
	AM	US- 6609021		Fan et al.	
	AN	US- 6240201		Xu et al.	
	AO	US- 6466687		Uppaluri et al.	
	AP	US- 6470889		Bae et al.	
	AQ	US- 6635030		Bae et al.	
	AR	US- 6678399		Doi et al.	
	AS	US- 6866653		Bae	
	AT	US- 2002/0009215A1	01-24-2002	Armato, III et al.	
	AU	US- 2002/028008A1	03-07-2002	Fan et al.	
	AV	US- 2003/0228041A1	12-11-2003	Bae et al.	
	AW	US- 2004/0097875A1	05-20-2004	Bae	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/W.T./	AX	WO 95/15536	06-08-95	Arch Development Corp.		

Examiner Signature	/Wesley Tucker/	Date Considered	07/14/2010
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/W.T./ AY		Proceedings of the Second International Joint Conference on Pattern Recognition, Aug. 13-15, 1974, Copenhagen; IEEE, Washington, 1974, pp. 258-263, XP002023478, D. H. Ballard et al.; "Hierarchic Recognition of Tumors in Chest Radiographs".	
/W.T./ AZ		Computer Vision Graphics and Image Processing, vol. 43, No. 2, Aug., 1988, MA US, pp. 256-264, XP00004392, S.M. Ali et al., "A New Algorithm for Extracting the Interior of Bounded Regions Based on Chain Coding".	
BA		Macq B. et al, "Lossless Compression for 3D PET", 1993 Nuclear Science Symposium and Medical Imaging Conference, San Francisco, CA, USA, 30 Oct.-6 Nov. 1993, vol. 41, no. 4, pt. 1, pages 1556-1559, XP002181660	
BB		Weinberger et al, "From LOCO-I to the JPEG-LS standard", Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on Kobe, Japan 24-28 Oct. 1999, Piscataway, NJ, USA, IEEE, US 24 October 1999 (1999-10-24), pages 68-72, XP010368687	
BC	32	Weinberger et al, "LOCO-I: A low complexity, context-based, lossless image compression algorithm" Data Compression Conference, IEEE Computer Society Press, Los Alamitos, CA, US, 31 March 1996 (1996-03-32), pages 140-149, XP000614253.	
BD		Young S.S. et al, "Statistically lossless image compression for CR and DR", Proceedings of the SPIE, Bellingham, VA, US, vol. 3658, 21 February 1999 (1999-02-21), pages 406-419, XP001039680	
BE		CRAWFORD et al.; "Computed Tomography Scanning With Simultaneous Patient Translation"; Am. Assoc. Med. Phys.; November/December 1990; pp. 967-982; Vol. 17(6)	
BF		KAK et al., "Algorithms for Reconstruction with Nondiffracting Sources"; Principles of Computerized Tomographic Imaging; 1987; pp. 49-112; Chapter 3; The Institute of Electrical and Electronics Engineers, Inc.; New York	
BG		KALENDER et al.; "A Comparison of Conventional and Spiral CT: An Experimental Study on the Detection of Spherical Lesions"; Journal of Computer Assisted Tomography; March/April 1994; pp. 167-176; Vol. 18(2); Raven Press, Ltd.; New York	
BH		RABBANI et al.; Digital Image Compression Techniques; 1991; pp. 1-220; Vol. TT 7; Spie Optical Engineering Press; Bellingham, Washington	
BI		FCD 14495; "Lossless and Near-Lossless Coding of Continuous Tone Still Images" (JPEG-LS); 1997; pp. 1-75; Public Draft; ISO/IEC Copyright Office; Switzerland	

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